

## DHK038 Series---Through Bore Slip Ring

### DHK038 Description:

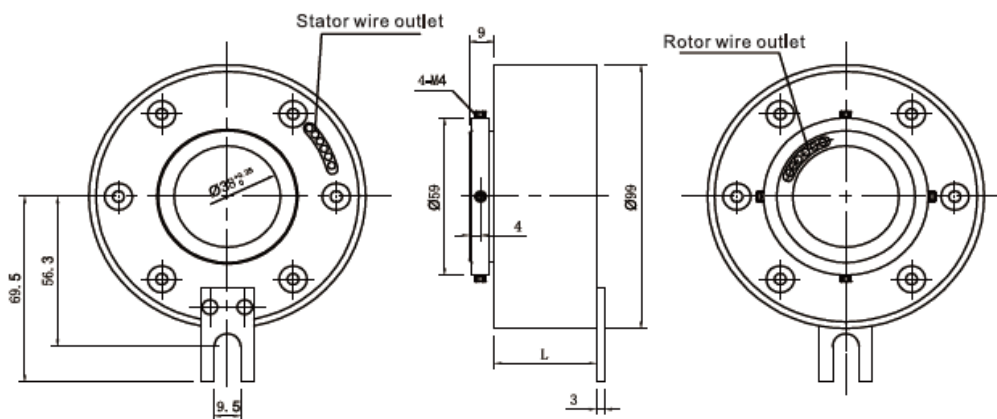
DHK038 product with through bore 38 mm, OD 99 mm, suitable for rotating application, support 1-48 ring, signal (2A-20A/ring).

### DHK038 Customized Options:

- ◆ Inner diameter, outer diameter, length
- ◆ Working speed
- ◆ Number of paths
- ◆ Current, voltage
- ◆ Shell material and color
- ◆ Protection level
- ◆ Signal and power can be transmitted separately or mixed



### DHK038 2D Standard Drawing :



## DHK038 Technical Parameters:

Product Grade Table			
Product grade	Working speed	Working life	
General	0 ~ 200 rpm	20 million revolutions	
Industrial	300 ~ 1000rpm	60 million revolutions	
Technical Parameters			
Electrical technical		Mechanical technical	
Parameters	Value	Parameters	Value
Number of rings	Custom	Working temperature	-40°C ~ +65°C
Rated current	2A,5A,10A,15A,20A	Working humidity	< 70%
Rated voltage	0 ~ 240VAC/VDC	Protection level	IP54
Insulation resistance	≥1000MΩ@500VDC	Shell material	Aluminum Alloy
Insulation strength	1500VAC@50Hz,60s,2mA	Electrical contact material	Precious metals
Dynamic resistance change value	< 10mΩ	Lead specification	Colored Teflon
Working speed	0-600rpm	Lead length	500mm+20mm

## DHK038 Series Recommend Products by Ingiant

Item No.	Ring Number	2A Length	5A Length	10A Length	15A Length	20A Length
DHK038-6	6	33.4	34.6	36.4	39.4	42.4
DHK038-12	12	45.4	47.8	51.4	57.4	63.4
DHK038-18	18	57.4	61	66.4	75.4	84.4
DHK038-24	24	69.4	74.2	81.4	93.4	105.4
DHK038-30	30	81.4	87.4	-	-	-
DHK038-36	36	93.4	100.6	-	-	-
DHK038-42	42	105.4	113.8	-	-	-
DHK038-48	48	117.4	127	-	-	-

Conductor Specification:2A with AWG26# color Teflon conductor ,5A with AWG22# color Teflon conductor

10A uses AWG18#color Teflon conductor (or AWG16# flexible color PVC insulated conductor)

15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor)

20A uses AWG14# color Teflon conductor.Length of product combinations with arbitrary number of channels(n2,n5,n10,n15,n20)(mm):

$$L=15.4+2*n2+2.2*n5+2.5*n10+3*n15+3.5*n20$$